

HS 8803 : ER of the future

Personal patient assistant

Leaf  Technologies Group

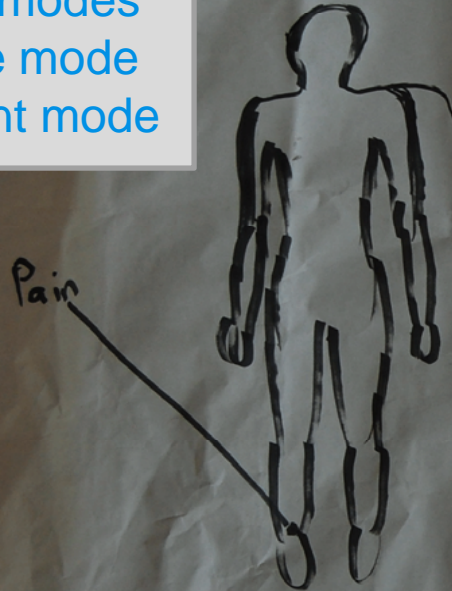
Hyungsin Kim
Neil Russell
Alicia Sanchez

Objective

- To provide information to patients regarding their current visit to the ER
- Educate patients about their condition and processes to be done
- To facilitate communication between patients and providers
- To offer entertainment to the patient and/or family who is waiting

Bed Side Registration

- Two modes
- Nurse mode
 - Patient mode



Nurse Mode

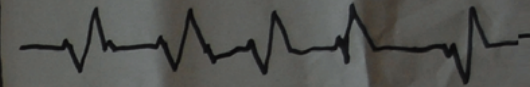
List of ?s

Also Patient Mode

Order to be given

✓ lab

Vitals



BP 120/68

SpO₂ 98%

Temp 97.8

What do you want to do?

Second life

Watch TV

Get Info

Call Nurse or Aid

ER Stage 2 Average wait time: 45 min. Until step 3
you have 4 steps to go. Estimated time to finish: 4 hrs.

Step 1

Step 2

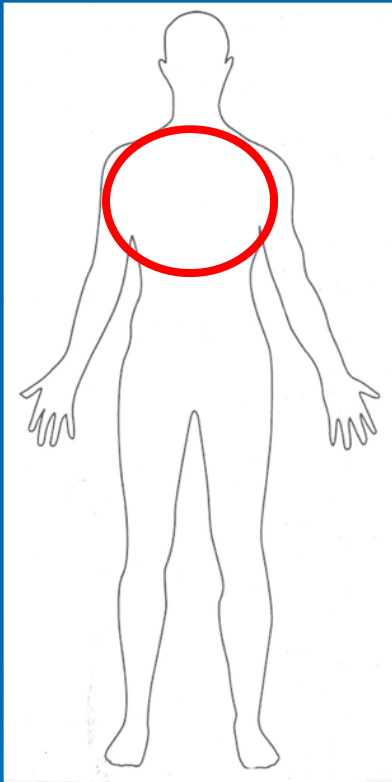
Step 3

Step 4

Step 5

Going Home

Getting Admitted



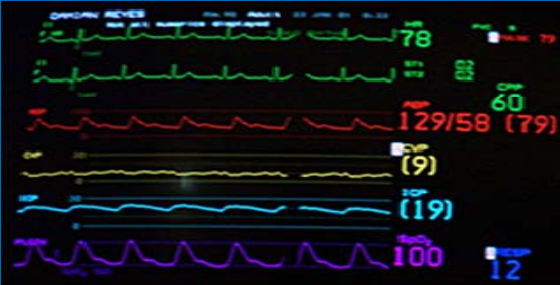
Patient registration

Patient information

Orders to be given:

- ☒ EKG
- ☐ Blood Tests
- ☐ CAT Scan

Submit orders



What do you want to do?

Watch TV

Second Life

Call Nurse/Aid

Get information

Change to Nurse Mode

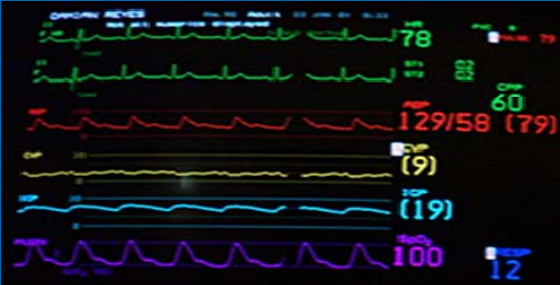
Nurse Mode

ER Stage 2, Average wait time: 45 min

You have 1 step to go. Estimated time to finish: 3 hours

Monday August 25, 2008 Your nurse is: Kelly B. Your doctor is: Neil R.

You are in ER Stage 2. Average wait time is 45 min



What do you want to do?

- Watch TV
- Second Life
- Call Nurse/Aid
- Get information

ER Stage 2, Average wait time: 45 min

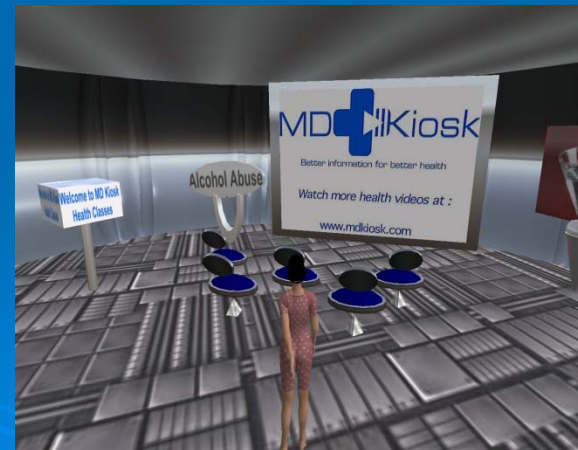
You have 1 step to go. Estimated time to finish: 3 hours

Design and implementation

- Interface design in flash
- Touch screen
- Projector (arrangements?)
- Remote
- Keyboard
- Mouse
- Booth space
- Second life

Second Life: Virtual World

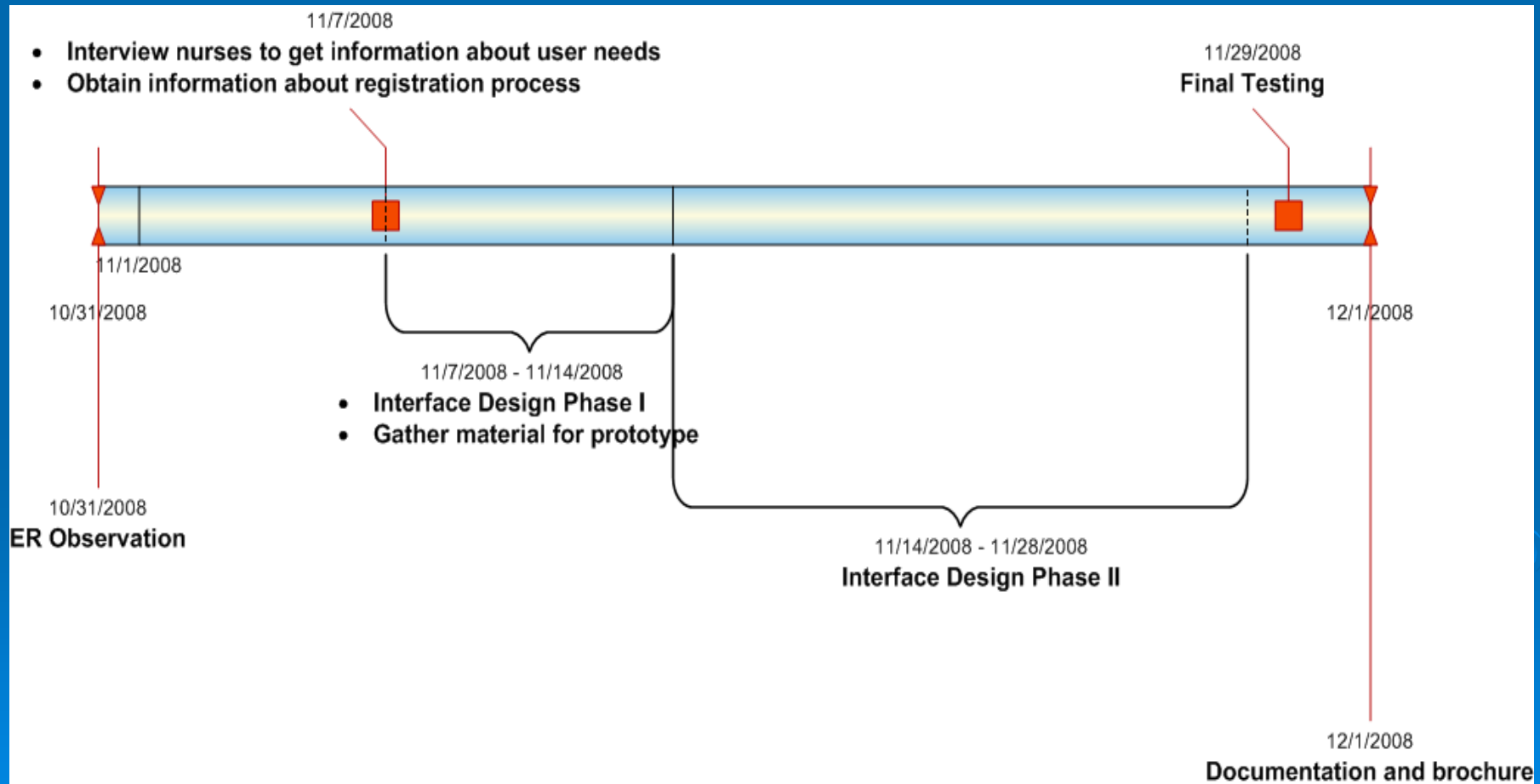
- How web 3.D is affecting Healthcare fields
- New stage of collaboration, cooperation, communication with an higher level of interaction, complexity, and value creation



Second Life: Treatment Room

- Meet virtual support group
 - If you have a disease, you can meet them
- Get useful information about your sickness
 - Simulation
- Visit virtual hospital
 - Wayfinding before you come to hospital
- Interact with hospital support staff

Action plans



Thank you!

